

Claims

1. A shoe insole (11, 111) for diabetics, having a sole base body (36, 136'), having a sole covering layer (37, 137), and having a plurality of cushion-like layers (12, 13, 14, 15, 16, 112, 113, 114, 115, 116), provided over the surface of the sole, in the form of at least one first cushion-like layer (12, 112) in the forefoot joint area, a second cushion-like layer (13, 113) in the midfoot/tarsus transition area, and a third cushion-like layer (14, 114) in the midfoot/heel transition area, these cushion-like layers, serving to assist the venous blood draining, are each individually divided into individual plateau-like areas (18 through 27, 118 through 127), located adjacent one another in the transversal direction of the sole surface (17, 117) and separated from one another, and the top side of the cushion-like layers, likewise covered by the sole covering layer (37, 137), forms an approximate plane with the top side of the sole base body (36) or is raised relative to the plane of the top of the sole base body (136), characterized in that between the first cushion-like layer (12, 112) in the forefoot joint area and the second cushion-like layer (13, 113) in the midfoot/tarsus transition area, at least one depression (61, 62; 161, 162) is provided, serving to relieve the pressure on the head or heads of the metatarsal bone or bones and originating at the top side of the sole base body (36, 136).

2. The shoe insole of claim 1, characterized in that one depression (61; 161) is provided for the second head of the metatarsal bone, and/or one depression (62, 162) is provided for the third head of the metatarsal bone.

3. The shoe insole of claim 1 or 2, characterized in that one depression is provided for the first head of the metatarsal bone.

4. The shoe insole of at least one of claims 1 through 3, characterized in that one depression is provided for the fourth head of the metatarsal bone.

5. The shoe insole of at least one of claims 2 through 4, characterized in that the depression (61, 62; 161, 162) for the respective head of the metatarsal bone is located approximately in alignment with the respectively associated plateau-like area (18 through 21, 118 through 121) of the first cushion-like layer (12, 112).

6. The shoe insole, in which the second cushion-like layer (113) is provided with an inner field area (123), drawn forward in a curve toward the first cushion-like layer (112) and arched so as to protrude relative to the raised top side of the sole covering layer (137) of the other areas or fields of the second cushion-like layer (113), of claim 1 or 2, characterized in that the drawn-forward inner field area (163) protruding in dome fashion, is in alignment with the portions adjoining one another of the two depressions (161, 162) for the second and third heads of the metatarsal bones.

7. The shoe insole of claim 6, characterized in that the diameter of the drawn-forward and protruding inner field area (163) is greater than the diameter of the depression (161, 162) for the second and for the third head of the metatarsal bone, respectively.

8. The shoe insole of claim 6 or 7, characterized in that the arching of the area (123) drawn forward in a curve raises the level by approximately 2 mm.

9. The shoe insole of at least one of the foregoing claims, characterized in that in the region of the heel, a fourth cushion-like layer (15, 115) is provided, which is plateau-like and preferably homogeneously oval in the transversal direction of the sole.

10. The shoe insole of at least one of the foregoing claims, characterized in that in the region of the plantar arch, a fifth cushion-like layer (16, 116) is provided of crescent-like shape.

11. The shoe insole of at least one of the foregoing claims, characterized in that the cushion-like layers (13 through 16; 113 through 116) are formed by a soft foam.

12. The shoe insole of at least one of claims 1 through 11, characterized in that it is embodied as a replaceable separately inserted insole.

13. The shoe insole of at least one of claims 1 through 11, characterized in that it is embodied as a sole that is integrated with a shoe.